

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/615,571A
Source: IFW/6
Date Processed by STIC: 02/16/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 02/16/2006

PATENT APPLICATION: US/09/615,571A

TIME: 11:26:03

Input Set : N:\Crf4\02152006\I615571.raw

Output Set: N:\CRF4\02152006\I615571A.raw

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1 <110> APPLICANT: Paul Harris
2   Kimberly M. Brown
3 <120> TITLE OF INVENTION: Polypeptides Having Phospholipase B
4   Activity And Nucleic Acids Encoding Same
5 <130> FILE REFERENCE: 5951.000-US
6 <140> CURRENT APPLICATION NUMBER: US/09/615,571A
7 <141> CURRENT FILING DATE: 2000-07-13
8 <150> PRIOR APPLICATION NUMBER: US/09/426,072
9 <151> PRIOR FILING DATE: 1999-10-21
10 <160> NUMBER OF SEQ ID NOS: 4
11 <170> SOFTWARE: FastSeq for Windows Version 3.0
12
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 2318
15 <212> TYPE: DNA
16 <213> ORGANISM: Aspergillus oryzae
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18   aattcctgga caacaatccc tttgagagtg atagtaaggg ggatgaactg agatgctaag      60
19   ctcacgttct tcgccttggc gtaggctgcc ccatgtcttg gtttagtgct tctctccacc      120
20   ctagtagctt agccattgct tgtccaatcc cattcccacg tcgcatcacg ctctatttat      180
21   gaccaaggct gtcaaatgag agccccactc atgtggcctc cacttcatat tgttttcttt      240
22   gtcgataaga ctgtcatccc gtctccggtg gcttccacga agaacgattt gtaaagatgg      300
23   atagcgatag gctgcccttg gtcggtatga agccgaagtc cctcgtgcct cgatggatat      360
24   gcgcttcaac ccgacgcaca gcgcacgtgg tatccgaatg ggacggaaaag gtagctcctc      420
25   cagtgggcta tataagcctt tccctggccg ggctcagact ccctagcaag cagcattggt      480
26   caagctcacg acctcaatcc gcgagtaaac atgaagtcca ccgctctgct tactggctctc      540
27   ggctctcttg cctctctcgg tcttgctagc cctgtcacgt ccgagtatac gagcgtgcga      600
28   gaagcccctt tcggatacaa gcctggctcc aaggagtcca ttgagaactt gaaggacaag      660
29   gtcgagaaca ttgtctggct tattctcgag aacaggtttg tgtgccctta cgatattcat      720
30   atgtggaata ataaattcct caattcagct tgtggtatgt gaagacgagc actaacatat      780
31   ggtccagatc cttcgataac attctgggag gcgtgcgccg ccaaggactg gacaaccgca      840
32   tcaacaacgg ccggttctgc aactacaaga atgcgagcga cccatcctcg ggcaagtact      900
33   gtactcaggc caaggactat gattccgtgt tcaacgatcc agaccactcc gtgactggta      960
34   ataacttgga gttctacgga acttacaccc caaacaatgg tgcgattgcc agtggcaagg      1020
35   tcgtcgccga ccagtctggc ttctcaacg cacagcttaa cgactacccc aaactggccc      1080
36   cagaagaggc gacaaggcaa gtgatgggat actatacggg ggaggagggt cctacgctcg      1140
37   tggacctgtg ggatgagttc actactttca acagctgggt ctcgtgtgtt cctggcgtaa      1200
38   gtgcgataaa tctgtatatt tttaattttg actaacgcgt tcaaaagcct accaacccca      1260
39   accgcttggt cgctctggca ggaaccgctg ctgggcatgg caagaatgac gatgacttcc      1320
40   tgaactatgg tatctctagc aagtcctatc tcgaggccgc caacgagaag ggctgtctct      1380
41   ggctcaacta cgatggcacc aacggagaat tcgaaccgga ttctctcttc ttcacctacg      1440
42   tcaaccagac ctcccgttcc aacgtggtgc ccgttgaaaa cttcttccaa gacgcctacc      1500
43   tcggtgtcct ccctaaattc tcttacatta accctcctg ctgcggcacc aacaccaact      1560
44   ccatgcaccc caccggtaac gtctcctacg gtgaggtctt cgtcaagcag atctatgatg      1620

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45      ccattcgcca gggccctcag tgggacaaga cctgctctt cattacctac gacgagaccg      1680
46      gtggcttcta cgaccatgtc cctccccctc tcgccgtccg cccggacaac ctgacctaca      1740
47      ctgagactgc gaagaacggt cagaaataca ctcttcactt cgaccgtctg ggtggccgca      1800
48      tgccgacctg ggttatctcc ccttacagta agaagggata catcgagcag tacggaacgg      1860
49      atcccgtcac gggcaagccc gctccctaca gtgctacctc cgtcctcaag actctcggat      1920
50      atctctggga catcgaggac ttcacccctc gtgtcgccca ctctccatct ttcgatcacc      1980
51      tgatcggcac gactttgcgt gaggatgctc ctattgctct caagactccc catacctttt      2040
52      cggataaagt ctcagtccgt gcagtgcagc aggattaaaa gtgatgatga acgttctgac      2100
53      ttcagtgaac gattacatgt tatagagcat tgttttgctt atagctacgc ctagagcgag      2160
54      cgcgatgatg ataagataaa gctgggttat ttctctattg tatattcatt aatgaaagac      2220
55      tttgataaca tgggatttaa aaaggaaatg ttttcttgca caatcaactc acggaacagg      2280
56      cgtaacttta cgatgactgc accccggata cattaatt      2318

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58 <210> SEQ ID NO: 2

59 <211> LENGTH: 464

60 <212> TYPE: PRT

61 <213> ORGANISM: Aspergillus oryzae

62 <400> SEQUENCE: 2

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63      Met Lys Ser Thr Ala Leu Leu Thr Gly Leu Gly Leu Leu Ala Ser Leu
64      1      5      10      15
65      Gly Leu Ala Ser Pro Val Thr Ser Glu Tyr Thr Ser Val Arg Glu Ala
66      20      25      30
67      Pro Phe Gly Tyr Lys Pro Gly Ser Lys Glu Ser Ile Glu Asn Leu Lys
68      35      40      45
69      Asp Lys Val Glu Asn Ile Val Trp Leu Ile Leu Glu Asn Arg Ser Phe
70      50      55      60
71      Asp Asn Ile Leu Gly Gly Val Arg Arg Gln Gly Leu Asp Asn Pro Ile
72      65      70      75      80
73      Asn Asn Gly Pro Phe Cys Asn Tyr Lys Asn Ala Ser Asp Pro Ser Ser
74      85      90      95
75      Gly Lys Tyr Cys Thr Gln Ala Lys Asp Tyr Asp Ser Val Phe Asn Asp
76      100      105      110
77      Pro Asp His Ser Val Thr Gly Asn Asn Leu Glu Phe Tyr Gly Thr Tyr
78      115      120      125
79      Thr Pro Asn Asn Gly Ala Ile Ala Ser Gly Lys Val Val Ala Asp Gln
80      130      135      140
81      Ser Gly Phe Leu Asn Ala Gln Leu Asn Asp Tyr Pro Lys Leu Ala Pro
82      145      150      155      160
83      Glu Glu Ala Thr Arg Gln Val Met Gly Tyr Tyr Thr Glu Glu Glu Val
84      165      170      175
85      Pro Thr Leu Val Asp Leu Val Asp Glu Phe Thr Thr Phe Asn Ser Trp
86      180      185      190
87      Phe Ser Cys Val Pro Gly Pro Thr Asn Pro Asn Arg Leu Cys Ala Leu
88      195      200      205
89      Ala Gly Thr Ala Ala Gly His Gly Lys Asn Asp Asp Asp Phe Leu Asn
90      210      215      220
91      Tyr Gly Ile Ser Ser Lys Ser Ile Phe Glu Ala Ala Asn Glu Lys Gly
92      225      230      235      240
93      Val Ser Trp Leu Asn Tyr Asp Gly Thr Asn Gly Glu Phe Glu Pro Asp
94      245      250      255

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95      Ser Leu Phe Phe Thr Tyr Val Asn Gln Thr Ser Arg Ser Asn Val Val
96              260                      265                      270
97      Pro Val Glu Asn Phe Phe Gln Asp Ala Tyr Leu Gly Val Leu Pro Lys
98              275                      280                      285
99      Phe Ser Tyr Ile Asn Pro Ser Cys Cys Gly Thr Asn Thr Asn Ser Met
100             290                      295                      300
101      His Pro Thr Gly Asn Val Ser Tyr Gly Glu Val Phe Val Lys Gln Ile
102             305                      310                      315                      320
103      Tyr Asp Ala Ile Arg Gln Gly Pro Gln Trp Asp Lys Thr Leu Leu Phe
104              325                      330                      335
105      Ile Thr Tyr Asp Glu Thr Gly Gly Phe Tyr Asp His Val Pro Pro Pro
106              340                      345                      350
107      Leu Ala Val Arg Pro Asp Asn Leu Thr Tyr Thr Glu Thr Ala Lys Asn
108              355                      360                      365
109      Gly Gln Lys Tyr Thr Leu His Phe Asp Arg Leu Gly Gly Arg Met Pro
110              370                      375                      380
111      Thr Trp Val Ile Ser Pro Tyr Ser Lys Lys Gly Tyr Ile Glu Gln Tyr
112             385                      390                      395                      400
113      Gly Thr Asp Pro Val Thr Gly Lys Pro Ala Pro Tyr Ser Ala Thr Ser
114             405                      410                      415
115      Val Leu Lys Thr Leu Gly Tyr Leu Trp Asp Ile Glu Asp Phe Thr Pro
116              420                      425                      430
117      Arg Val Ala His Ser Pro Ser Phe Asp His Leu Ile Gly Thr Thr Leu
118              435                      440                      445
119      Arg Glu Asp Ala Pro Ile Ala Leu Lys Thr Pro His Thr Phe Ser Val
120             450                      455                      460
122 <210> SEQ ID NO: 3
123 <211> LENGTH: 27
124 <212> TYPE: DNA
125 <213> ORGANISM: Aspergillus oryzae
126 <400> SEQUENCE: 3
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129 <210> SEQ ID NO: 4
130 <211> LENGTH: 30
131 <212> TYPE: DNA
132 <213> ORGANISM: Aspergillus oryzae
133 <400> SEQUENCE: 4
134      gttaattaaa cttataaccga aaaggtatgg

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27

30

VERIFICATION SUMMARY

DATE: 02/16/2006

PATENT APPLICATION: **US/09/615,571A**

TIME: 11:26:04

Input Set : **N:\Crf4\02152006\I615571.raw**

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